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L1	0	"M.sub.F2/M.sub.F1=1"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 11:52
L2	0	"M.sub.F2/M.sub.F1=1"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 11:52
L3	1	"M.sub.F2/M.sub.F1"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 11:53
L4	0	"M.sub.\$/M.sub.\$"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 11:53
L5	13	((magnetic near5 moment) near8 ratio) same ((equals) and (1 or one))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 11:54
L6	2	((magnetic near3 moment\$) near8 ratio) and (((coupling near3 energy) or (coupl\$ near3 energy)) same (exchange near3 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 12:41
L7	2	(Li.in. or Zheng.in. or Liao.in. or Ju.in.) and synthetic near10 (((coupling or pinning) near3 energy) or ((coupl\$ or pinn\$) near3 energy) or ((coupl\$ or pinn\$) same energy)) /	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:35
L8	8	("6324037") or ("6222707") or ("6322640") or ("6118624").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/22 13:01
L9	443	29/603.14.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:02
L10	371	29/603.15.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:02

L11	5	29/603.14.ccls. and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:20
L12	2	29/603.15.ccls. and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:20
L13	4	((magnetic near5 moment\$) near8 ratio) and (((coupling or pinning) near3 energy) or ((coupl\$ or pinn\$) near3 energy) or ((coupl\$ or pinn\$) same energy) same (exchange near3 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:55
L14	158	((magnetic near5 moment\$) near8 ratio) and (((coupling or pinning) near3 energy or strength) or ((coupl\$ or pinn\$) near3 energy or strength) or ((coupl\$ or pinn\$) same energy or strength) same (exchange near3 energy or strength))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:05
L15	6667	(Li.in. or Zheng.in. or Liao.in. or Ju.in.) and (((coupling or pinning) near3 energy or strength) or ((coupl\$ or pinn\$) near3 energy or strength) or ((coupl\$ or pinn\$) same energy or strength))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:38
L16	6015	(Li.in. or Zheng.in. or Liao.in. or Ju.in.) and (((coupling or pinning) near3 energy or strength) or ((coupl\$ or pinn\$) near3 energy or strength) or ((coupl\$ or pinn\$) same energy or strength) same (exchange near5 energy or strength))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:39
L17	101	(Li-Min.in. or Zheng-You-Feng.in. or Liao-Simon.in. or Ju-Kochan.in.) and (((coupling or pinning) near3 energy or strength) or ((coupl\$ or pinn\$) near3 energy or strength) or ((coupl\$ or pinn\$) same energy or strength) same (exchange near5 energy or strength))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:40
L18	6	("5583725"   "6222707"   "6295186"   "6313973"   "6322640"   "6324037").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/22 13:54
L19	354	360/324.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/22 13:54
L20	420	360/324.11.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/22 13:55
L21	531	360/324.12.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/22 13:55

L22	3	13 and (19 or 20 or 21)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:55
L23	3	13 and (19 or 20 or 21)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:55
L24	12	("5159513"   "5206590"   "5408377"   "5465185"   "5528440"   "5701223"   "5729410"   "5766743"   "5871622"   "5891586"   "6023395"   "6057049").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/22 13:56
S1	1	29/603.07.ccls. and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:02
S2	18	360/324.12.ccls. and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 09:45
S3	10	("6122150"   "6175476"   "6201671"   "6208491"   "6208492"   "6317297"   "6338899"   "6418048"   "6447935"   "6522507").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 13:01
S4	68	360/324\$.ccls. and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:11
S5	68	360/324\$.ccls. and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:50
S6	0	"M.sub.F2/M.sub.F1=(J.sub.s- +J.sub.ex)/J.sub.s"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:13
S9	1	"M.sub.F2/M.sub.F1"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:12
S10	0	"(J.sub.s- +J.sub.ex)/J.sub.s"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:13

S11	0	"(J.sub.s+J.sub.ex)/J.sub.s"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:18
S12	1	"(J.sub.s+J.sub.ex)"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:18
S13	145	"360"/\$.ccls. and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:46
S14	1	S13 and S9	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:46
S15	150	"29"/\$.ccls. and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:46
S16	1	S9 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:50
S17	37	((magnetic adj2 moment) same ratio) and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 10:53
S18	7	((magnetic adj2 moment) near6 ratio) and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 12:55
S19	7	((magnetic adj2 moment) near8 ratio) and ((coupling adj2 energy) or (coupl\$ adj2 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/12 12:55
S20	10	((magnetic adj2 moment) near8 ratio) and ((coupling near3 energy) or (coupl\$ near3 energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 12:39
S21	46	((magnetic near5 moment) near8 ratio) and ((coupling near3 energy) or (coupl\$ near3 energy) or (coupl\$ same energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/14 12:56

S22	49	((magnetic near5 moment) near8 ratio) and (((coupling or pinning) near3 energy) or ((coupl\$ or pinn\$) near3 energy) or ((coupl\$ or pinn\$) same energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 13:03
S23	565	synthetic same (((coupling or pinning) near3 energy) or ((coupl\$ or pinn\$) near3 energy) or ((coupl\$ or pinn\$) same energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/14 12:58
S24	23	synthetic near6 (((coupling or pinning) near3 energy) or ((coupl\$ or pinn\$) near3 energy) or ((coupl\$ or pinn\$) same energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/14 13:01
S25	31	synthetic near10 (((coupling or pinning) near3 energy) or ((coupl\$ or pinn\$) near3 energy) or ((coupl\$ or pinn\$) same energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 11:55
S26	62	Li-Min.in. and synthetic	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/14 13:05
S27	2	Li.in. and synthetic near10 (((coupling or pinning) near3 energy) or ((coupl\$ or pinn\$) near3 energy) or ((coupl\$ or pinn\$) same energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/22 12:42



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**» Key****IEEE JNL** IEEE Journal or Magazine**Select Article Information****1-25 | 26-41****IEE JNL** IEE Journal or Magazine **1. Interlayer interaction in giant magnetoresistive multilayers**

Doherty, S.A.; Jian-Gang Zhu;

Magnetics, IEEE Transactions on

Volume 33, Issue 5, Part 2, Sept. 1997 Page(s):3694 - 3696

Digital Object Identifier 10.1109/20.619541

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(332 KB\)](#) IEEE JNL**IEEE CNF** IEEE Conference Proceeding **2. Measurement of magnetic moment of magnetite-laced microspheres**

Baccay, R.; Hua Fu; Frielaender, F.; Anand, P.; Duschl-Maass, M.;

Magnetics, IEEE Transactions on

Volume 22, Issue 5, Sep 1986 Page(s):1119 - 1121

[AbstractPlus](#) | [Full Text: PDF\(952 KB\)](#) IEEE JNL**IEE CNF** IEE Conference Proceeding **3. /sup 87/Rb and /sup 133/Cs laser cooled clocks: testing the stability of fundamental constants**

Pereira Dos Santos, F.; Marion, H.; Abgrall, M.; Zhang, S.; Sortais, Y.; Bize, S.; Maksimovic, I.;

Calonico, D.; Grunert, J.; Mandache, C.; Vian, C.; Rosenbuch, P.; Lemonde, P.; Santarelli, G.;

Laurent, P.; Clairon, A.; Salomon, C.;

Frequency Control Symposium and PDA Exhibition Jointly with the 17th European Frequency and Time Forum, 2003. Proceedings of the 2003 IEEE International

4-8 May 2003 Page(s):55 - 67

Digital Object Identifier 10.1109/FREQ.2003.1274986

[AbstractPlus](#) | [Full Text: PDF\(735 KB\)](#) IEEE CNF**IEEE STD** IEEE Standard **4. Progress towards a precision measurement of the helion magnetic moment in Bohr magnetons**

Flowers, J.L.; Cleaton, N.J.; Josephs-Franks, P.W.; Petley, B.W.;

Precision Electromagnetic Measurements Digest, 1998 Conference on

6-10 July 1998 Page(s):623 - 624

Digital Object Identifier 10.1109/CPEM.1998.700111

[AbstractPlus](#) | [Full Text: PDF\(104 KB\)](#) IEEE CNF **5. Thermal stability of sputtered GdDyFeCo films with trilayer structure**

Uchihara, Y.; Tanase, K.; Suzuki, Y.; Torazawa, K.;

Magnetics, IEEE Transactions on

Volume 30, Issue 6, Part 1-2, Nov 1994 Page(s):4428 - 4430

Digital Object Identifier 10.1109/20.334109

[AbstractPlus](#) | [Full Text: PDF\(248 KB\)](#) IEEE JNL **6. Current-perpendicular spin valves with partially oxidized magnetic layers for ultrahigh-density magnetic recording**

Oshima, H.; Nagasaka, K.; Seyama, Y.; Jogo, A.; Shimizu, Y.; Tanaka, A.; Miura, Y.;  
Magnetics, IEEE Transactions on  
Volume 39, Issue 5, Part 2, Sept. 2003 Page(s):2377 - 2380  
Digital Object Identifier 10.1109/TMAG.2003.815455

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- 7. **A precise microwave spectroscopy measurement of the muonium ground state: hyperfine structure interval and muon magnetic moment**  
Boshier, M.G.; Dhawan, S.; van Dyck, O.; Egan, P.; Fei, X.; Perdekamp, M.G.; Hughes, V.W.; Janousch, M.; Jungmann, K.; Kawall, D.; Liu, W.; Mariam, F.G.; Pillai, C.; Prigl, R.; Putlitz, G.zu.; Reinhard, I.; Schwarz, W.; Thompson, P.A.; Woodle, K.A.;  
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- 9. **Analytical & Numerical Modelings of Elliptical Superconducting Filament Magnetization**  
Satiramatekul, T.; Bouillault, F.; Devred, A.; Bottura, L.;  
Applied Superconductivity, IEEE Transactions on  
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- 10. **Grain size limits for pseudosingle domain behavior in magnetite: Implications for paleomagnetism**  
Moskowitz, B.; Banerjee, S.;  
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- 11. **Magnetic and Mössbauer investigation of amorphous (Fe<sub>x</sub>Ni<sub>1-x</sub>)<sub>80</sub>B<sub>20</sub>alloys**  
Sostarich, M.; Dey, S.; Deppe, P.; Rosenberg, M.; Czjzek, G.; Oestreich, V.; Schmidt, H.; Luborsky, F.;  
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- 12. **The Curie temperature and magnetization of Fe-base amorphous binary alloys containing transition metal**  
Fukamichi, K.; Gambino, R.;  
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- 13. **The magnetic moment of CrO<sub>2</sub>fine particles**  
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- 14. **Surface and near-surface chemical analysis of cobalt-treated iron oxide**  
Withrell, F.;  
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- 15. Magnetic properties of iron-boron-oxide and iron-phosphor-oxide glasses prepared by sol-gel method**  
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- 16. Influence of particle shape on forces in magnetic separators**  
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- 17. Anisotropic magnetoresistance and Hall effects for Ni-Fe-M alloy thin films**  
Tanaka, T.; Kobayashi, I.; Takahashi, M.; Wakiyama, T.;  
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- 18. Thermomagnetic properties of ferrofluids containing chemically coprecipitated Mn-Zn ferrite particles**  
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- 19. Magneto-chemical characteristics of copper-cobalt catalysts**  
Murty, A.N.; Donatto, U.A.; Washington, J.W.; Hoard, T.L.; Akundi, M.A.; Harris, C.;  
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- 20. Magnetic properties of Fe/Zr multilayers**  
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- 21. High moment FeCoNi alloy thin films fabricated by pulsed-current electrodeposition**  
Liu, X.; Zangari, G.;  
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- 22. Magnetic force microscopy characterization of unusual magnetic coupling in an extraordinarily responsive magnetic material**  
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- 23. **Understanding the origin of the magnetic anisotropy in iron silicide amorphous alloys**  
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- 24. **On measurement of energy transfer from exploding plasma to magnetic field**  
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- 25. **Anomalous magnetic moment of the muon and hyperfine structure and Zeeman effect in ground state muonium**  
Xiang Fei;  
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27 June-1 July 1994 Page(s):245  
Digital Object Identifier 10.1109/CPEM.1994.333170  
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IEEE STD IEEE Standard

 **26. The coil design of the superconducting MRI magnet**

Fujita, M.;

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Volume 24, Issue 6, Nov 1988 Page(s):2907 - 2909  
Digital Object Identifier 10.1109/20.92284[AbstractPlus](#) | Full Text: [PDF\(196 KB\)](#) IEEE JNL **27. Magnetization process and coercivity of sputtered Co/Pt multilayered films**

Honda, S.; Tanimoto, H.; Kusuda, T.;

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Digital Object Identifier 10.1109/20.104853[AbstractPlus](#) | Full Text: [PDF\(352 KB\)](#) IEEE JNL **28. Optically pumped <sup>3</sup>He NMR and the Bohr magneton**

Flowers, J.L.; Franks, P.W.; Petley, B.W.;

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Volume 44, Issue 2, Apr 1995 Page(s):572 - 574  
Digital Object Identifier 10.1109/19.377910[AbstractPlus](#) | Full Text: [PDF\(260 KB\)](#) IEEE JNL **29. Radiative and multiphonon relaxation of the mid-IR transitions of Pr<sup>3+</sup> in LaCl<sub>3</sub>**Shaw, L.B.; Bowman, S.R.; Feldman, B.J.; Ganem, J.;  
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Volume 32, Issue 12, Dec. 1996 Page(s):2166 - 2172  
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